

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A TEMPORARY TRAFFIC SIGNAL FOR TWO PHASES OF A ONE LANE MAINTAINANCE OF TRAFFIC SEQUENCE DURING THE RECONSTRUCTION OF MD 23 BRIDGE No. 12064 IN HARFORD COUNTY.

INTERSECTION OPERATION

A CONTROLLER HOUSED IN A POLE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A SEQUENTIAL ORDER USING 4 NEMA PHASES FOR A ONE LANE SIGNAL OPERATION. THE NORTHBOUND APPROACH OF MD 23 SHALL BE IN OPERATION IN NEMA PHASE ONE. NEMA PHASE TWO SHALL HAVE AN ALL AROUND RED PHASE. THE THIRD NEMA PHASE THE SOUTHBOUND TRAFFIC IS ACTUATED. NEMA PHASE FOUR SHALL HAVE AN ALL AROUND RED PHASE. LOOP DETECTORS SHALL BE INSTALLED ON THE NORTH AND SOUTHBOUND APPROACHES FOR THE ACTUATION OF THE TRAFFIC SIGNAL.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785
MR. DAVID CREIGHTON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2821
MR. MIKE PASQUARIELLO, DISTRICT UTILITIES ENGINEER
PHONE: (410) 321-2841
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761
MR. ROBERT SNYDER, TRAFFIC OPERATIONS DIVISION - TELEPHONE DROP
PHONE: (410) 787-7631
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

2. MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
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B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
800000	REMOVE AND DISPOSE OF EXISTING TRAFFIC SIGNAL EQUIPMENT	LS	1
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	20
805115	3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED	LF	50
805135	3 INCH PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED	LF	245
811001	FURNISH AND INSTALL ELECTRICAL HANDHOLE	EA	1
861104	ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)	LF	800
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	745
861116	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG)	LF	740

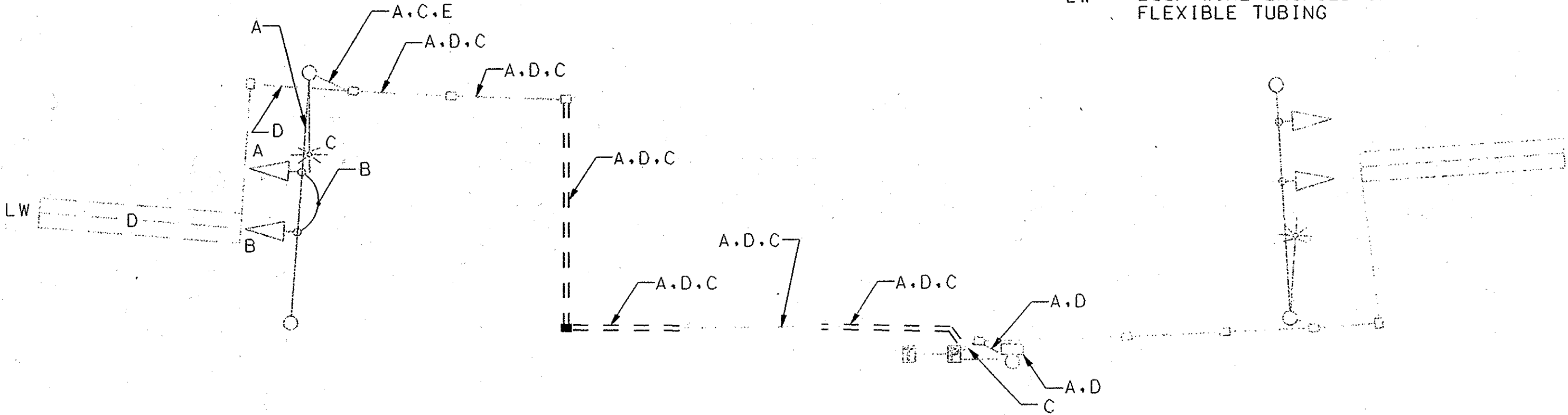
C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	CONTROLLER	EA	1

WIRING DIAGRAM

KEY

- A) 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B) 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE
C) 2 CONDUCTOR ELECTRICAL CABLE ALUMINIUM SHIELDED (RESPLICE TO EXISTING LOOP DETECTOR)
D) 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE
E) LOOP WIRE ENCASED IN 1/4 IN. FLEXIBLE TUBING



PHASE CHART

1	2	3	4
(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)

PHASE 1	G	G	R	R	←
PHASE 1 CHANGE	Y	Y	R	R	→
PHASE 2 ALL RED	R	R	R	R	→
PHASE 3	R	R	G	G	→
PHASE 3 CHANGE	R	R	Y	Y	→
PHASE 4 ALL RED	R	R	R	R	→
FLASHING OPERATION	FLR	FLR	FLR	FLR	→

*THE SIGNAL WILL OPERATE IN A SEQUENTIAL ORDER

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

**REPLACEMENT OF SUPERSTRUCTURE AND
REHABILITATION OF SUBSTRUCTURE FOR
BRIDGE No.12064 ON MD 23 over MORSE RD**
HARFORD COUNTY, MARYLAND

GENERAL INFORMATION PLAN (MOT PHASE 2)

SCALE NA DATE 10/2008 CONTRACT NO. HA2835180

DESIGNED BY S. SMITH COUNTY HARFORD
DRAWN BY S. SMITH LOGMILE
CHECKED BY S. RENZI TMS NO. 1033
FAP NO. TOD NO.

TS NO. 23MOT1-6-64 DRAWING 6 OF 6 SHEET NO. 15 OF 60

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